

Permit to Operate

FACILITY: S-2234

EXPIRATION DATE: 10/31/200

LEGAL OWNER OR OPERATOR: OEH - C/O D. CHAMPION

MAILING ADDRESS: P O BOX 1001
TUPMAN, CA 93276

FACILITY LOCATION: GAS PLANT
TUPMAN, CA

FACILITY DESCRIPTION: NATURAL GAS PROCESSING

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-0-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

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13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repack such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repack such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92). [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92). [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

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31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4 of Rule 8020 (4/25/96). [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4 of Rule 8030 (4/25/96). [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4 of Rule 8060 (4/25/96). [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
40. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68], [Federally Enforceable Through Title V]
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081 and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
43. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs or a reading as methane in excess of 10,000 ppm above background when measured at a distance of one (1) centimeter from the potential source in accordance with EPA Method 21. [District Rule 4403, 3.3.1], [Federally Enforceable Through Title V]
44. The instrument used for leak detection shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) zero air (less than 10 ppm of hydrocarbon in air) and B) mixture of methane and air at a concentration of about, but less than 10,000 ppm methane. [District Rule 4403, 3.3.1], [Federally Enforceable Through Title V]
45. Each hatch shall be closed at all times except during sampling or attended maintenance operations. [District Rule 4403, 5.2.1], [Federally Enforceable Through Title V]
46. All components, excluding flanges and threaded connections, handling VOCs shall be inspected at least quarterly to detect any leaks. If less than two (2) percent of any component type subject to the prohibitions of this permit, except for pressure relief valves, pumps, and compressors, are found to leak during each of five (5) consecutive quarterly inspections, the inspection frequency for that component type may be changed from quarterly to annual. If any annual inspection shows that two (2) percent or more of all of a specific component type subject to the prohibitions of this permit are leaking, then quarterly inspections of that component type shall be resumed. All flanges and threaded connections handling VOCs shall be inspected at least annually to detect any leaks. [District Rule 4403, 5.2.3], [Federally Enforceable Through Title V]
47. Each open-ended line shall be sealed with two (2) valves, a blind flange, a cap or a plug except when open end is in use. [District Rule 4403, 5.2.2], [Federally Enforceable Through Title V]

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48. Components that are located in inaccessible locations or in areas unsafe for personnel shall be inspected and repaired at least annually and during shutdown, and such components shall be identified in the operator management plan. [District Rule 4403, 5.2.4], [Federally Enforceable Through Title V]
49. All pumps shall be visually inspected at least weekly to detect any liquid leaks. [District Rule 4403, 5.2.5], [Federally Enforceable Through Title V]
50. Each pressure relief valve shall be inspected for leaks within one (1) working day after venting to atmosphere. [District Rule 4403, 5.2.6], [Federally Enforceable Through Title V]
51. Any leaking component shall be identified by the operator affixing a weatherproof, readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until repair and re-inspection document compliance with the requirements of this permit. [District Rule 4403, 5.2.7], [Federally Enforceable Through Title V]
52. Any leak detected on the basis of sight, smell, or sound shall be identified by the operator affixing a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until repair and reinspection document compliance, whether or not operator inspection is otherwise required by this permit. [District Rule 4403, 5.2.8], [Federally Enforceable Through Title V]
53. Any leaking component and any leak shall be repaired to a leak-free condition and reinspected within 15 calendar days. [District Rule 4403, 5.2.9], [Federally Enforceable Through Title V]
54. The number of leaks of a component type shall not exceed one component or two (2) percent of the total number of components of that type that were inspected and that are subject to the requirements of this permit, whichever is greater. For inspections conducted by District personnel to determine compliance with this requirement, the number of components inspected shall constitute a statistically representative sample for each component type. [District Rule 4403, 5.2.10], [Federally Enforceable Through Title V]
55. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. [District Rule 4403, 5.3.1], [Federally Enforceable Through Title V]
56. If the leaking component is an essential part of a critical process identified in the operator management plan and which cannot be immediately shut down for repairs, the operator shall minimize the leak within 15 calendar days. If the leak which has been minimized still exceeds the limit in this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. [District Rule 4403, 5.3.1.1], [Federally Enforceable Through Title V]
57. Any component leak identified by a Notice to Repair issued by the District shall be repaired and re-inspected as specified in District Rule 4403, 5.2.7, 5.2.8 and 5.2.9 (as amended February 16, 1995). [District Rule 4403, 5.3.2], [Federally Enforceable Through Title V]
58. Each operator shall maintain an inspection log containing, at a minimum, the following: name, location, type of components, and description of any unit where leaking components are found; date of leak detection, emission level (ppm) of leak, and method of detection; date and emission level of recheck after leak is repaired; total number of components inspected, and total number and percentage of leaking components found; Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 4403, 6.2.1], [Federally Enforceable Through Title V]
59. Copies of the inspection log shall be retained by the operator for a minimum of five years after the date of an entry and shall be made available upon request to District personnel. [District Rule 4403, 6.2.3], [Federally Enforceable Through Title V]
60. Samples shall be analyzed by ASTM Methods E-260-73, E-168-67, or E-169-63. Halogenated exempt compounds shall be determined by ARB Method 432. [District Rule 4403, 6.3.1], [Federally Enforceable Through Title V]
61. Emissions of VOC shall be measured by EPA Method 25, 25a, or 25b, as applicable. Halogenated exempt compounds shall be determined by ARB Method 422. [District Rule 4403, 6.3.2], [Federally Enforceable Through Title V]
62. Leak detection shall be performed in accordance with EPA Method 21. [District Rule 4403, 6.3.4], [Federally Enforceable Through Title V]
63. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
64. Compliance with permit conditions in the Title V permit shall be deemed compliance with County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
65. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 4403 (amended February 16, 1995), formerly District Rule 465.3. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-1-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

LOW TEMPERATURE SEPARATION PLANT #2 INCLUDING PROCESS PUMPS, HEAT EXCHANGER(S)/COOLER(S), COOLING TOWER, FUEL GAS/LIQUID K.O. VESSEL(S) VENTED TO FLARE, AND DE-ETHANIZER, DE-BUTANIZER, DE-PROPANIZER COLUMNS VENTED TO FLARE, AND INLET HEAT EXCHANGER

PERMIT UNIT REQUIREMENTS

1. Operation shall include refrigerant regeneration system, glycol regeneration system, and two 27.5 MMBtu/hr process heaters F-44-301 & F-44-302 (shared with S-2234-3). [District NSR Rule], [Federally Enforceable Through Title V]
2. Two process heaters F-44-301 & F-44-302 shall be used on emergency standby basis, only during periods when one or both gas turbines (S-2234-52 & '-53) are inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
3. Heaters shall be fired exclusively by PUC quality natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. Total natural gas consumption of emergency standby boilers and heaters (S-2234-1, '-3, '-19, '-32 & '33) for 35R, LTS-1, & LTS-2 gas plants shall not exceed gas consumption rate equivalent to 3.69 MMscf/day (based on actual duration of operation). [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall maintain operational records of emergency standby boilers and heaters for 35R, LTS-1, & LTS-2 gas plants, including date, time, and total amount of natural gas consumed. These records shall be made readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
6. All process vessels and lines handling volatile organic compounds shall vent only to other process vessels, District-approved flare, or substrata injection system. [District NSR Rule], [Federally Enforceable Through Title V]
7. Emission rates from process heater exhaust shall not exceed the following: PM10: 0.014 lb/MMBtu, SOx (as SO2): 0.002 lb/MMBtu, NOx (as NO2): 0.140 lb/MMBtu, VOC: 0.003 lb/MMBtu, and CO: 0.035 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
8. Heat exchangers utilizing cooling water shall be properly maintained to prevent VOC emissions from cooling towers. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall test the circulating water from the cooling tower at least every six months to determine the concentration of hexavalent chromium. The District shall be notified 48 hours in advance of any sampling of cooling water for testing. Required testing may be discontinued and an exemption sought when two consecutive required tests show hexavalent chromium concentrations less than 0.15 mg/l. [District Rule 7012]
10. Operator shall comply with other applicable requirements of District Rule 7012 (amended 12/17/92). [District Rule 7012]
11. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
12. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
14. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
15. Source testing shall be performed for the boilers and heaters using EPA Method 7E or ARB Method 100. Source testing shall be conducted within two year after the issuance of this Title V permit and each unit shall be tested during each year in which the unit operates 720 hours or more. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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16. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO₂. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
17. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested for sulfur content (as hydrogen sulfide). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. When complying with SO_x emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculate emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the unit is fired on noncertified gaseous fuel and compliance with SO_x emission limits is achieved through fuel sulfur content limitations, then the sulfur content (as hydrogen sulfide) of the gaseous fuel being fired in the unit shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
21. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels; or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.4.2; County Rules 404 (Madera), 406 (Fresno), and 407 (Kern, Kings, Merced, San Joaquin, Stanislaus, and Tulare)], [Federally Enforceable Through Title V]
22. Nitrogen oxide (NO_x) emissions shall not exceed 140 lb/hr, calculated as NO₂. [District Rules 4301, 5.2.2], [Federally Enforceable Through Title V]
23. The requirements of 40 CFR 60 Subpart KKK and 40 CFR 60 Subpart LLL do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-3-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

LOW TEMPERATURE SEPARATION PLANT #1 INCLUDING FREE WATER KNOCKOUT(S), ACCUMULATOR(S), CHILLER(S), LOW TEMPERATURE SEPARATOR(S), DE-ETHANIZER & REBOILER, DE-BUTANIZER & REBOILER, DE-PROPANIZER & REBOILER, AND INLET HEAT EXCHANGER

PERMIT UNIT REQUIREMENTS

1. Operation shall include two 27.5 MMBtu/hr process heaters FF-44-301 & FF-44-302 (shared with S-2234-1). [District NSR Rule], [Federally Enforceable Through Title V]
2. Two process heaters F-44-301 & F-44-302 shall be used on emergency standby basis, only during periods when one or both gas turbines (S-2234-52 & '53) are inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
3. Heaters shall be fired exclusively on PUC quality natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. Total natural gas consumption of emergency standby boilers and heaters (S-2234-1, '-3, '-19, '-32 & '33) for 35R, LTS-1, & LTS-2 gas plants shall not exceed gas consumption rate equivalent to 3.69 MMscf/day (based on actual duration of operation). [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall maintain operational records of emergency standby boilers and heaters for 35R, LTS-1, & LTS-2 gas plants, including date, time, and total amount of natural gas consumed. These records shall be made readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
6. All process vessels and lines handling volatile organic compounds shall vent only to other process vessels, District-approved flare, or substrata injection system. [District NSR Rule], [Federally Enforceable Through Title V]
7. Emission rates from process heater exhaust shall not exceed the following: PM10: 0.014 lb/MMBtu, SOx (as SO2): 0.002 lb/MMBtu, NOx (as NO2): 0.140 lb/MMBtu, VOC: 0.003 lb/MMBtu, and CO: 0.035 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
8. Heat exchangers utilizing cooling water shall be properly maintained to prevent VOC emissions from cooling towers. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall test the circulating water from the cooling tower at least every six months to determine the concentration of hexavalent chromium. The District shall be notified 48 hours in advance of any sampling of cooling water for testing. Required testing may be discontinued and an exemption sought when two consecutive required tests show hexavalent chromium concentrations less than 0.15 mg/l. [District Rule 7012]
10. Operator shall comply with other applicable requirements of District Rule 7012 (amended 12/17/92). [District Rule 7012]
11. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
12. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
14. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
15. Source testing shall be performed for the boilers and heaters using EPA Method 7E or ARB Method 100. Source testing shall be conducted within two year after the issuance of this Title V permit and each unit shall be tested during each year in which the unit operates 720 hours or more. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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16. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO₂. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
17. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested for sulfur content (as hydrogen sulfide). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. When complying with SO_x emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the unit is fired on noncertified gaseous fuel and compliance with SO_x emission limits is achieved through fuel sulfur content limitations, then the sulfur content (as hydrogen sulfide) of the gaseous fuel being fired in the unit shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
21. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels; or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.4.2; County Rules 404 (Madera), 406 (Fresno), and 407 (Kern, Kings, Merced, San Joaquin, Stanislaus, and Tulare)], [Federally Enforceable Through Title V]
22. Nitrogen oxide (NO_x) emissions shall not exceed 140 lb/hr, calculated as NO₂. [District Rules 4301, 5.2.2], [Federally Enforceable Through Title V]
23. The requirements of 40 CFR 60 Subpart KKK and 40 CFR 60 Subpart LLL do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-4-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

NATURAL GASOLINE STORAGE/LOADOUT #2 INCLUDING FOUR 90,000 GALLON (UNX #12954, #12955, #12956, 12966) AND TWO 96,604 GALLON NATURAL GASOLINE/BUTANE STORAGE TANKS, AND LOADING RACK WITH VAPOR RECOVERY SYSTEM AND NITROGEN PURGE SYSTEM FOR DISCONNECT.

PERMIT UNIT REQUIREMENTS

1. Operation shall be equipped with two 15 hp product transfer pumps. [District NSR Rule], [Federally Enforceable Through Title V]
2. VOC emissions from the vapor collection and control system shall be determined using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. After an initial compliance determination, determinations shall be made whenever an inspection reveals conditions indicative of performance less effective than that during previous compliance determinations. [District Rule 4624, 6.2.2], [Federally Enforceable Through Title V]
3. Storage and loading rack shall incorporate vapor loss collection system. [District NSR Rule], [Federally Enforceable Through Title V]
4. Nitrogen purge system shall be a closed system such that all VOC's are displaced to the vapor control system via closed piping for reprocessing in S-2234-3. [District NSR Rule], [Federally Enforceable Through Title V]
5. Tanks shall not vent directly to atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
6. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [4624, 5.1.1 and Kern County Rule 413], [Federally Enforceable Through Title V]
7. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2], [Federally Enforceable Through Title V]
8. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded; or Class 2 loading facilities equipped with a system to control at least 95% of VOC displaced; and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624, 5.3], [Federally Enforceable Through Title V]
9. Construction, reconstruction (as defined in District Rule 4001, amended January 19, 1995), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5], [Federally Enforceable Through Title V]
10. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and Kern County Rule 413], [Federally Enforceable Through Title V]
11. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound, smell and instrument methods to detect leaks. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) Zero air (less than 10 ppm of hydrocarbon in air); and B) Mixture of methane and air at a concentration of about, but less than, 10,000 ppm methane. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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14. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All records necessary to determine compliance with the VOC emission limit for this unit shall be maintained for a period of at least 5 years and shall include component counts and recognized emission factors for fugitive emission sources. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1], [Federally Enforceable Through Title V]
18. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of + or - 2.5 mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the requirements of Kern County Rule 413. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
20. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-5-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

58,800 GASOLINE STORAGE TANK V202 UNX #11747 (NATURAL GASOLINE STORAGE/LOADOUT #1) INCLUDING LOADING RACK WITH VAPOR RECOVERY SHARED WITH S-2234-34, 35 & 36

PERMIT UNIT REQUIREMENTS

1. Natural gasoline storage tanks and loading rack shall be equipped with vapor loss collection system as required by Rule 4624. [District Rule 4624], [Federally Enforceable Through Title V]
2. All valves and flanges shall be maintained leak-free (as defined in Rule 4624). [District Rule 4624], [Federally Enforceable Through Title V]
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [4624, 5.1.1 and Kern County Rule 413], [Federally Enforceable Through Title V]
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2], [Federally Enforceable Through Title V]
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded; or Class 2 loading facilities equipped with a system to control at least 95% of VOC displaced; and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624, 5.3], [Federally Enforceable Through Title V]
6. Construction, reconstruction (as defined in District Rule 4001, amended January 19, 1995), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5], [Federally Enforceable Through Title V]
7. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and Kern County Rule 413], [Federally Enforceable Through Title V]
8. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound, smell and instrument methods to detect leaks. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) Zero air (less than 10 ppm of hydrocarbon in air); and B) Mixture of methane and air at a concentration of about, but less than, 10,000 ppm methane. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. All records necessary to determine compliance with the VOC emission limit for this unit shall be maintained for a period of at least 5 years and shall include component counts and recognized emission factors for fugitive emission sources. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1], [Federally Enforceable Through Title V]

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15. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of + or - 2.5 mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the requirements of Kern County Rule 413. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
17. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
18. VOC emissions from the vapor collection and control system shall be determined using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. After an initial compliance determination, determinations shall be made whenever an inspection reveals conditions indicative of performance less effective than that during previous compliance determinations. [District Rule 4624, 6.2.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-6-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1000 BHP NATURAL GAS FIRED I.C. ENGINE #R-6 ALSO APPROVED AT SECTION 7, 17, 30, T30S, R23E (PTO DELETED FOR ERC CERT. S 0269-1 - 5, PROJECT 940343 BY RWK ON 9/21/94)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. Sulfur compound emissions shall not exceed 2000 ppmv as SO₂. [District Rule 4801]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-7-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 MMBTU/HR HIGH PRESSURE FLARE SERVING LTS #2 PLANT

PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 2. Flares shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 3. Flare shall be operated only in an emergency condition during upsets or breakdowns. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Records of flare operation shall be maintained which include reason for operation, length of operation and corrective action taken to rectify the process upset or breakdown that necessitated use of the flare. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 5. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
 6. Records of flare maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 7. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-8-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

104.6 MMBTU/HR LOW PRESSURE FLARE SERVING LTS #2 PLANT

PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 2. Flares shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 3. Flare shall be operated only in an emergency condition during upsets or breakdowns. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Records of flare operation shall be maintained which include reason for operation, length of operation and corrective action taken to rectify the process upset or breakdown that necessitated use of the flare. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 5. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
 6. Records of flare maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 7. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-9-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

5,500 BHP INGERSOLL-RAND NATURAL GAS FIRED I.C. ENGINE K-40 UNX #16652

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 1.33 lb/hr, SOx: 1.86 lb/hr (as SO₂), NOx: 24.25 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 36.38 lb/hr, CO: 60.63 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrated compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

Initial TV Permit

18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-10-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

5,500 BHP NATURAL GAS FIRED I.C. ENGINE K-41 UNX #16651 WITH PRE-COMBUSTION CHAMBER RETROFIT

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 1.33 lb/hr, SOx: 1.86 lb/hr (as SO₂), NOx: 24.25 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 36.38 lb/hr, CO: 60.63 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

Initial TV Permit

18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NO_x concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NO_x) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NO_x according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-11-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

5,500 BHP INGERSOLL-RAND NATURAL GAS FIRED I.C. ENGINE K-42 UNX #16650

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 1.33 lb/hr, SOx: 1.86 lb/hr (as SO₂), NOx: 24.25 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 36.38 lb/hr, CO: 60.63 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

Initial TV Permit

18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NO_x concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NO_x) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NO_x according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-12-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2,000 BHP INGERSOLL-RAND GAS FIRED I.C. ENGINE K-43 UNX #13694 WITH PRE-COMBUSTION CHAMBER RETROFIT

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 0.49 lb/hr, SOx: 0.67 lb/hr (as SO₂), NOx: 8.82 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 13.23 lb/hr, CO: 22.05 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

Initial TV Permit

18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NO_x concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NO_x) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NO_x according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-13-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 MMBTU/HR HIGH PRESSURE FLARE SERVING LTS #1 PLANT

PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 2. Flares shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 3. Flare shall be operated only in an emergency condition during upsets or breakdowns. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Records of flare operation shall be maintained which include reason for operation, length of operation and corrective action taken to rectify the process upset or breakdown that necessitated use of the flare. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 5. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
 6. Records of flare maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 7. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-14-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

105.6 MMBTU/HR LOW PRESSURE FLARE SERVING LTS #1

PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 2. Flares shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 3. Flare shall be operated only in an emergency condition during upsets or breakdowns. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Records of flare operation shall be maintained which include reason for operation, length of operation and corrective action taken to rectify the process upset or breakdown that necessitated use of the flare. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 5. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
 6. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 7. Records of flare maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-15-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

5,500 BHP INGERSOLL-RAND NATURAL GAS FIRED I.C. ENGINE K-36 UNX #13675

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 1.33 lb/hr, SOx: 1.86 lb/hr (as SO₂), NOx: 24.25 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 36.38 lb/hr, CO: 60.63 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrated compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NO_x concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NO_x) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NO_x according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-16-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

5,500 BHP INGERSOLL-RAND NATURAL GAS FIRED I.C. ENGINE K-37 UNX #13674 WITH PRE-COMBUSTION CHAMBER RETROFIT

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 1.33 lb/hr, SOx: 1.86 lb/hr (as SO₂), NOx: 24.25 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 36.38 lb/hr, CO: 60.63 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NO_x concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NO_x) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NO_x according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-17-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

5,500 BHP INGERSOLL-RAND NATURAL GAS FIRED I.C. ENGINE K-38 UNX #13673

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 1.33 lb/hr, SOx: 1.86 lb/hr (as SO₂), NOx: 24.25 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 36.38 lb/hr, CO: 60.63 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NO_x concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NO_x) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NO_x according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-18-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2,000 BHP INGERSOLL-RAND NATURAL GAS FIRED I.C. ENGINE K-39 UNX #13672 WITH PRE-COMBUSTION CHAMBER RETROFIT

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 0.49 lb/hr, SOx: 0.67 lb/hr (as SO₂), NOx: 8.82 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 13.23 lb/hr, CO: 22.05 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-19-6

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

35R GAS PLANT INCLUDING THE FOLLOWING EQUIPMENT: 3 BOILERS: #F203, #F204 AND #F205, TWO RICH OIL HEATERS: #F-1A & #F-1B, LEAN OIL RECLAIMING STILL, FOUR AIR COMPRESSORS, ABSORBER, RICH OIL RECTIFIER, STRIPPER, DE-ETHANIZER, AND DE-PROPANIZER

PERMIT UNIT REQUIREMENTS

1. Operation shall include one 25 MMBtu/hr boiler #F-203, two 55.7 MMBtu/hr boilers #F-204 & #F-205, and two 19 MMBtu/hr rich absorption oil heaters #F-1A & #F-1B. Three boilers #F-203, #F-204 & #F-205 and two rich absorption oil heaters #F-1A & #F-1B shall be used on emergency standby basis, only during periods when one or both gas turbines (S-2234-52 & '-53) are inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
2. Operation shall include 3 absorption columns, flash drums, rich absorption oil rectifier, absorption oil stripper, de-ethanizer, de-propanizer, de-butanizer, de-isobutanizer, 36 associated vessels, 31 heat exchangers, 31 process pumps, gas compressor K-8, and associated piping. [District NSR Rule], [Federally Enforceable Through Title V]
3. Boilers and heaters shall be fired exclusively by PUC-quality natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. Total natural gas consumption of all emergency standby boilers and heaters (S-2234-1, '-3, '-19, '-32 & '33) for 35R, LTS-1, & LTS-2 gas plants shall not exceed gas consumption rate equivalent to 3.69 MMscf/day (based on actual duration of operation). [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall maintain operational records of emergency standby boilers and heaters for 35R, LTS-1, & LTS-2 gas plants (S-2234-1, '-3, '-19, '-32, & '-33) including date, time, and total amount of natural gas consumed. These records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070], [Federally Enforceable Through Title V]
6. All process vessels and lines handling volatile organic compounds shall vent only to other process vessels, District-approved flare, or substrata injection system. [District NSR Rule], [Federally Enforceable Through Title V]
7. All VOC fugitive components, including valves, flanges, seals, etc., shall be inspected and maintained in leak-free condition in accordance with Rule 4403. [District Rule 4403]
8. Permittee shall comply in full with all applicable Rule 4403 requirements. [District Rule 4403]
9. VOC emissions from gas compressor K-8 and associated piping and components authorized by this Authority to Construct shall consist only of fugitive emissions and shall not exceed 6.6 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
10. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 450-3-83-007, Table E-3, for compressor K-8 and its associated piping and components, and for absorption column C-1C, its associated flash drum, piping and components. [District NSR Rule], [Federally Enforceable Through Title V]
11. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
12. Emission rates from boilers and oil heater exhaust shall not exceed the following: PM10: 0.014 lb/MMBtu, SOx (as SO2): 0.002 lb/MMBtu, NOx (as NO2): 0.140 lb/MMBtu, VOC: 0.003 lb/MMBtu, and CO: 0.035 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
13. Heat exchangers utilizing cooling water shall be properly maintained to prevent VOC contamination of cooling water and resultant emissions from cooling towers. [District NSR Rule], [Federally Enforceable Through Title V]
14. The operator shall test the circulating water from the cooling tower at least every six months to determine the concentration of hexavalent chromium. The District shall be notified 48 hours in advance of any sampling of cooling water for testing. Required testing may be discontinued and an exemption sought when two consecutive required tests show hexavalent chromium concentrations less than 0.15 mg/l. [District Rule 7012]
15. Operator shall comply with other applicable requirements of District Rule 7012 (amended 12/17/92). [District Rule 7012]
16. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]

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17. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
19. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
20. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the emission limits. [District Rule 2520, 9.4.2, District Rule 4305, 5.0, 8.2 and/or 4351, 8.1], [Federally Enforceable Through Title V]
21. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO₂. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
22. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested for sulfur content (as hydrogen sulfide). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. When complying with SO_x emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. If the unit is fired on noncertified gaseous fuel and compliance with SO_x emission limits is achieved through fuel sulfur content limitations, then the sulfur content (as hydrogen sulfide) of the gaseous fuel being fired in the unit shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
26. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels; or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.4.2; County Rules 404 (Madera), 406 (Fresno), and 407 (Kern, Kings, Merced, San Joaquin, Stanislaus, and Tulare)], [Federally Enforceable Through Title V]
27. Nitrogen oxide (NO_x) emissions shall not exceed 140 lb/hr, calculated as NO₂. [District Rules 4301, 5.2.2], [Federally Enforceable Through Title V]
28. Source testing shall be performed for the boilers and heaters using EPA Method 7E or ARB Method 100. Source testing shall be conducted within two years after the issuance of this Title V permit and each unit shall be tested during each year in which the unit operates 720 hours or more. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. The requirements of 40 CFR 60 Subpart KKK and 40 CFR 60 Subpart LLL do not apply to this source. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
30. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements, and subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
31. VOC emissions from absorption column C-1C, flash drum, and associated piping and components authorized by A to C # S-2234-19-4 shall consist only of fugitive emissions and shall not exceed 0.8 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
32. Permittee shall maintain a written record of VOC content (sampled not less than annually) of the gas processed through absorption column C-1C and the associated flash drum and piping. Such records available for District inspection upon request for a period of five years. [District NSR Rule], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-20-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

880 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE K-1 UNX #9071 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
8. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
9. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
10. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
11. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-21-6

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

880 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE K-2 UNX #9066 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
8. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
9. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
10. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
11. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-22-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

880 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE K-3 UNX #9149 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
8. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
9. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
10. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
11. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-23-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

880 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE K-4 UNX #9154 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
8. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
9. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
10. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
11. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-24-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

880 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE K-5 UNX #9159 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
8. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
9. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
10. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
11. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-25-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

880 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE K-6 UNX #9164 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
8. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
9. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
10. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
11. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-26-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

880 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE K-7 UNX #9169 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
8. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
9. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
10. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
11. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-27-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

4,000 BHP DELAVAL NATURAL GAS FIRED I.C. ENGINE K-9 UNX #11726 WITH PRE-COMBUSTION CHAMBER

PERMIT UNIT REQUIREMENTS

1. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
2. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. NOx emission rate shall not exceed 17.64 lb/hr and 2.00 gm/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
7. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If compliance with the NOx emission limit is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limit, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx. This mean shall be multiplied by the appropriate factor to determine compliance. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-28-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

4,000 BHP DELAVAL NATURAL GAS FIRED I.C. ENGINE K-10 UNX #11718 WITH PRE-COMBUSTION CHAMBER

PERMIT UNIT REQUIREMENTS

1. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
2. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. NOx emission rate shall not exceed 17.64 lb/hr and 2.00 gm/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
7. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If compliance with the NOx emission limit is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limit, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx. This mean shall be multiplied by the appropriate factor to determine compliance. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a monthly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. For units conducting facility noncertified self tests, the following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. For units conducting facility noncertified self tests, the representative unit(s) tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every quarter. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. For units conducting facility noncertified self tests, all units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. For units conducting facility noncertified self tests, an engine operating log shall be maintained for each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. For units conducting facility noncertified self tests, should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-29-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL L7042GSI I.C. ENGINE K-11 UNX #13198 WITH PRE-STRATIFIED CHARGE SYSTEM, T30 TURBO MODIFICATION, AND ENLARGED TURBOCHARGER NOZZLE RING USED ONLY IF NECESSARY TO MAINTAIN RATED ENGINE POWER OUTPUT WHILE MEETING NOX LIMIT

PERMIT UNIT REQUIREMENTS

1. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO2), NOx: 4.41 lb/hr (as NO2) and 2.00 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
7. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100 for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-30-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL L7042-GSIU I.C. ENGINE K-12 UNX #12493 WITH PRE-STRATIFIED CHARGE SYSTEM, T30 TURBO MODIFICATION, AND ENLARGED TURBOCHARGER NOZZLE RING USED ONLY IF NECESSARY TO MAINTAIN RATED ENGINE POWER OUTPUT WHILE MEETING NOX LIMIT

PERMIT UNIT REQUIREMENTS

1. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.00 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
7. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-31-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL L7042GSI I.C. ENGINE K-13 UNX #13409 WITH PRE-STRATIFIED CHARGE SYSTEM, T30 TURBO MODIFICATION, AND ENLARGED TURBOCHARGER NOZZLE RING USED ONLY IF NECESSARY TO MAINTAIN RATED ENGINE POWER OUTPUT WHILE MEETING NOX LIMIT

PERMIT UNIT REQUIREMENTS

1. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. This I.C. engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.00 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
7. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-32-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

55.65 MMBTU/HR NATURAL GAS FIRED BOILER #F204 SERVING 35R GAS PLANT

PERMIT UNIT REQUIREMENTS

1. Boiler shall be used on emergency standby basis, only during periods when one or both gas turbines (S-2234-52 & '-53) are inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
2. Total natural gas consumption of emergency standby boilers and heaters (S-2234-1, '-3, '-19, '-32 & '33) for 35R, LTS-1, & LTS-2 gas plants shall not exceed gas consumption rate equivalent to 3.69 MMscf/day (based on actual duration of operation). [District NSR Rule], [Federally Enforceable Through Title V]
3. Permittee shall maintain operational records of emergency standby boilers and heaters for 35R, LTS-1, & LTS-2 gas plants, including date, time, and total amount of natural gas consumed. These records shall be made readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emission rates from boilers and oil heater exhaust shall not exceed the following: PM10: 0.014 lb/MMBtu, SOx (as SO2): 0.002 lb/MMBtu, NOx (as NO2): 0.140 lb/MMBtu, VOC: 0.003 lb/MMBtu, and CO: 0.035 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
5. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
6. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
9. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the emission limits. [District Rule 2520, 9.4.2, District Rule 4305, 5.0, 8.2 and/or 4351, 8.1], [Federally Enforceable Through Title V]
10. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
11. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested for sulfur content (as hydrogen sulfide). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. When complying with SOx emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content (as hydrogen sulfide) of the gaseous fuel being fired in the unit shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]

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15. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels; or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.4.2; County Rules 404 (Madera), 406 (Fresno), and 407 (Kern, Kings, Merced, San Joaquin, Stanislaus, and Tulare)], [Federally Enforceable Through Title V]
16. Nitrogen oxide (NOx) emissions shall not exceed 140 lb/hr, calculated as NO₂. [District Rules 4301, 5.2.2], [Federally Enforceable Through Title V]
17. Source testing shall be performed for the boilers and heaters using EPA Method 7E or ARB Method 100. Source testing shall be conducted within two year after the issuance of this Title V permit and each unit shall be tested during each year in which the unit operates 720 hours or more. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-33-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

55.65 MMBTU/HR NATURAL GAS FIRED BOILER #F205 SERVING 35R GAS PLANT

PERMIT UNIT REQUIREMENTS

1. Boiler shall be used on emergency standby basis, only during periods when one or both gas turbines (S-2234-52 & '-53) are inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
2. Total natural gas consumption of emergency standby boilers and heaters (S-2234-1, '-3, '-19, '-32 & '33) for 35R, LTS-1, & LTS-2 gas plants shall not exceed gas consumption rate equivalent to 3.69 MMscf/day (based on actual duration of operation). [District NSR Rule], [Federally Enforceable Through Title V]
3. Permittee shall maintain operational records of emergency standby boilers and heaters for 35R, LTS-1, & LTS-2 gas plants, including date, time, and total amount of natural gas consumed. These records shall be made readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emission rates from boilers and oil heater exhaust shall not exceed the following: PM10: 0.014 lb/MMBtu, SOx (as SO2): 0.002 lb/MMBtu, NOx (as NO2): 0.140 lb/MMBtu, VOC: 0.003 lb/MMBtu, and CO: 0.035 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
5. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)]
6. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2]
7. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
8. Particulate matter emissions shall not exceed 0.1 grain/dscf, calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3]
9. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the emission limits. [District Rule 2520, 9.4.2, District Rule 4305, 5.0, 8.2 and/or 4351, 8.1], [Federally Enforceable Through Title V]
10. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
11. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested for sulfur content (as hydrogen sulfide). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. When complying with SOx emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content (as hydrogen sulfide) of the gaseous fuel being fired in the unit shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]

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15. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels; or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.4.2; County Rules 404 (Madera), 406 (Fresno), and 407 (Kern, Kings, Merced, San Joaquin, Stanislaus, and Tulare)], [Federally Enforceable Through Title V]
16. Nitrogen oxide (NOx) emissions shall not exceed 140 lb/hr, calculated as NO₂. [District Rules 4301, 5.2.2], [Federally Enforceable Through Title V]
17. Source testing shall be performed for the boilers and heaters using EPA Method 7E or ARB Method 100. Source testing shall be conducted within two year after the issuance of this Title V permit and each unit shall be tested during each year in which the unit operates 720 hours or more. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-34-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

58,800 GALLON GASOLINE STORAGE TANK, V201, UNX #11746 (NATURAL GASOLINE STORAGE/LOADOUT #1)
INCLUDING SHARED LOADING RACK WITH VAPOR RECOVERY LISTED ON PERMIT S-2234-5

PERMIT UNIT REQUIREMENTS

1. Natural gasoline storage tanks and loading rack shall be equipped with vapor loss collection system as required by Rule 4624. [District Rule 4624], [Federally Enforceable Through Title V]
2. All valves and flanges shall be maintained leak-free (as defined in Rule 4624). [District Rule 4624], [Federally Enforceable Through Title V]
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [4624, 5.1.1 and Kern County Rule 413], [Federally Enforceable Through Title V]
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2], [Federally Enforceable Through Title V]
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded; or Class 2 loading facilities equipped with a system to control at least 95% of VOC displaced; and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624, 5.3], [Federally Enforceable Through Title V]
6. Construction, reconstruction (as defined in District Rule 4001, amended January 19, 1995), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5], [Federally Enforceable Through Title V]
7. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and Kern County Rule 413], [Federally Enforceable Through Title V]
8. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound, smell and instrument methods to detect leaks. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) Zero air (less than 10 ppm of hydrocarbon in air); and B) Mixture of methane and air at a concentration of about, but less than, 10,000 ppm methane. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. All records necessary to determine compliance with the VOC emission limit for this unit shall be maintained for a period of at least 5 years and shall include component counts and recognized emission factors for fugitive emission sources. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1], [Federally Enforceable Through Title V]

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15. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of + or - 2.5 mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the requirements of Kern County Rule 413. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
17. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
18. VOC emissions from the vapor collection and control system shall be determined using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. After an initial compliance determination, determinations shall be made whenever an inspection reveals conditions indicative of performance less effective than that during previous compliance determinations. [District Rule 4624, 6.2.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-35-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

58,800 GALLON GASOLINE STORAGE TANK, V102, UNX #9031 (NATURAL GASOLINE STORAGE/LOADOUT #1)
INCLUDING SHARED LOADING RACK WITH VAPOR RECOVERY LISTED ON PERMIT S-2234-5

PERMIT UNIT REQUIREMENTS

1. Natural gasoline storage tanks and loading rack shall be equipped with vapor loss collection system as required by Rule 4624. [District Rule 4624], [Federally Enforceable Through Title V]
2. All valves and flanges shall be maintained leak-free (as defined in Rule 4624). [District Rule 4624], [Federally Enforceable Through Title V]
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [4624, 5.1.1 and Kern County Rule 413], [Federally Enforceable Through Title V]
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2], [Federally Enforceable Through Title V]
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded; or Class 2 loading facilities equipped with a system to control at least 95% of VOC displaced; and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624, 5.3], [Federally Enforceable Through Title V]
6. Construction, reconstruction (as defined in District Rule 4001, amended January 19, 1995), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5], [Federally Enforceable Through Title V]
7. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and Kern County Rule 413], [Federally Enforceable Through Title V]
8. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound, smell and instrument methods to detect leaks. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) Zero air (less than 10 ppm of hydrocarbon in air); and B) Mixture of methane and air at a concentration of about, but less than, 10,000 ppm methane. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. All records necessary to determine compliance with the VOC emission limit for this unit shall be maintained for a period of at least 5 years and shall include component counts and recognized emission factors for fugitive emission sources. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1], [Federally Enforceable Through Title V]

Initial TV Permit

15. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of + or - 2.5 mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the requirements of Kern County Rule 413. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
17. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
18. VOC emissions from the vapor collection and control system shall be determined using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. After an initial compliance determination, determinations shall be made whenever an inspection reveals conditions indicative of performance less effective than that during previous compliance determinations. [District Rule 4624, 6.2.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-36-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

58,800 GALLON GASOLINE STORAGE TANK, V101, UNX #9030 (NATURAL GASOLINE STORAGE/LOADOUT #1)
INCLUDING SHARED LOADING RACK WITH VAPOR RECOVERY LISTED ON PERMIT S-2234-5

PERMIT UNIT REQUIREMENTS

1. Natural gasoline storage tanks and loading rack shall be equipped with vapor loss collection system as required by Rule 4624. [District Rule 4624], [Federally Enforceable Through Title V]
2. All valves and flanges shall be maintained leak-free (as defined in Rule 4624). [District Rule 4624], [Federally Enforceable Through Title V]
3. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [4624, 5.1.1 and Kern County Rule 413], [Federally Enforceable Through Title V]
4. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2], [Federally Enforceable Through Title V]
5. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded; or Class 2 loading facilities equipped with a system to control at least 95% of VOC displaced; and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624, 5.3], [Federally Enforceable Through Title V]
6. Construction, reconstruction (as defined in District Rule 4001, amended January 19, 1995), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5], [Federally Enforceable Through Title V]
7. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and Kern County Rule 413], [Federally Enforceable Through Title V]
8. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound, smell and instrument methods to detect leaks. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) Zero air (less than 10 ppm of hydrocarbon in air); and B) Mixture of methane and air at a concentration of about, but less than, 10,000 ppm methane. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. All records necessary to determine compliance with the VOC emission limit for this unit shall be maintained for a period of at least 5 years and shall include component counts and recognized emission factors for fugitive emission sources. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1], [Federally Enforceable Through Title V]

Initial TV Permit

15. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of + or - 2.5 mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the requirements of Kern County Rule 413. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
17. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
18. VOC emissions from the vapor collection and control system shall be determined using 40CFR 60.503. "Test Methods and Procedures" and EPA Reference Methods 2A, 2B, 25A and 25B and ARB Method 432, or ARB Method 2-4. After an initial compliance determination, determinations shall be made whenever an inspection reveals conditions indicative of performance less effective than that during previous compliance determinations. [District Rule 4624, 6.2.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-37-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

330 BHP CLARK LPG/PUC QUALITY NATURAL GAS FIRED I.C. ENGINE UNX #9076 * CANCELLED PER SITE LETTER OF 6/1/99; JRS, 6/8/99 *

PERMIT UNIT REQUIREMENTS

1. Only liquified petroleum gas (LPG) or PUC quality natural gas shall be burned in this engine. [District NSR Rule], [Federally Enforceable Through Title V]
2. Permittee shall maintain accurate records of LPG and PUC quality natural gas fuel consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
4. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
5. If the unit is fired on PUC quality natural gas, the sulfur content of the natural gas shall be less than or equal to 0.017% by weight. If the unit is fired on liquefied petroleum gas (LPG), the sulfur content of the LPG shall be less than or equal to 0.008% by weight (15 gr/100 ft3). [Kern County Rule 407], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-38-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

310 BHP CUMMINS DIESEL FIRED I.C. ENGINE UNX #51392

PERMIT UNIT REQUIREMENTS

1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
6. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Records of operating hours shall be kept for units operating less than 200 hours per year. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. On all units which are not emergency or backup IC engines operating less than 200 hours per year, weekly inspection for visible emissions shall be required. If no excessive visible emissions are observed for 8 consecutive weeks, the inspection frequency shall be quarterly. If the visible emissions in excess of Ringelmann 1 (20% opacity) are detected, corrective action shall be taken and the inspection frequency must return to weekly until 8 consecutive weeks show compliance with opacity limit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-39-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

310 BHP CUMMINS DIESEL FIRED I.C. ENGINE UNX #14535

PERMIT UNIT REQUIREMENTS

1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
6. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Records of operating hours shall be kept for units operating less than 200 hours per year. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. On all units which are not emergency or backup IC engines operating less than 200 hours per year, weekly inspection for visible emissions by EPA Method 9 shall be required. If no excessive visible emissions are observed for 8 consecutive weeks, the inspection frequency shall be quarterly. If the visible emissions in excess of Ringelmann 1 (20% opacity) are detected, corrective action shall be taken and the inspection frequency must return to weekly until 8 consecutive weeks show compliance with opacity limit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-40-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

188 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE P37

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-41-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

188 BHP NATURAL GAS FIRED I.C. ENGINE P38 UNX #14320 (35R GAS PLANT) ***EQUIPMENT REMOVED, PTO
SURRENDERED 9/22/94*** JG

PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-42-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

188 BHP NATURAL GAS FIRED I.C. ENGINE UNX #15529

PERMIT UNIT REQUIREMENTS

1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-43-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

227 BHP CATERPILLAR DIESEL FIRED I.C. ENGINE P4

PERMIT UNIT REQUIREMENTS

1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
6. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Records of operating hours shall be kept for units operating less than 200 hours per year. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. On all units which are not emergency or backup IC engines operating less than 200 hours per year, weekly inspection for visible emissions by EPA Method 9 shall be required. If no excessive visible emissions are observed for 8 consecutive weeks, the inspection frequency shall be quarterly. If the visible emissions in excess of Ringelmann 1 (20% opacity) are detected, corrective action shall be taken and the inspection frequency must return to weekly until 8 consecutive weeks show compliance with opacity limit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-44-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

773 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX #14166

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-45-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

310 BHP CUMMINS NATURAL GAS FIRED I.C. ENGINE UNX #12052

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-46-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

793 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX #13397

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-47-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

793 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX #14772

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-48-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

490 BHP CATERPILLAR NATURAL GAS FIRED I.C. ENGINE K-68 UNX #54313

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emissions shall not exceed 90 ppmv NOx (as NO2) and 2000 ppmv CO @ 15% O2. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District Rule 4701, 6.3.2]
4. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
5. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
6. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
7. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). Source testing shall be performed for CO according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in the group are similar, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of engines tested shall be at least 10% of the total number of engines in the group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 4701, 6.3.2]
13. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
16. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
17. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
18. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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20. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-52-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE 24.5 MW NATURAL GAS FIRED GAS TURBINE COGENERATION SYSTEM, INCLUDING 250 MMBTU/HR GENERAL ELECTRIC MODEL LM-2500 GAS TURBINE, 103 MMBTU/HR DUCT BURNER ASSEMBLY, AND 150,000 LB/HR HEAT RECOVERY STEAM GENERATOR

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained and operated according to manufacturers' recommendations. [District NSR Rule], [Federally Enforceable Through Title V]
2. Circular cross section exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and equipped with flow straighteners, if necessary, to minimize turbulence. [District NSR Rule], [Federally Enforceable Through Title V]
3. Gas turbine engine and duct burner assembly shall be equipped with continuously recording fuel gas flowmeters. [District NSR Rule], [Federally Enforceable Through Title V]
4. Gas turbine engine shall be equipped with continuously recording NO_x, CO, and O₂ monitors for engine exhaust gas stream after duct burners and catalyst beds. [District NSR Rule], [Federally Enforceable Through Title V]
5. Startup and shutdown of gas turbine engine, as defined in 40 CFR Subpart A 60.2, shall not exceed a time period of one hour and one hour, respectively, per occurrence. [District NSR Rule], [Federally Enforceable Through Title V]
6. Gas turbine engine combustor steam injection system shall be equipped with continuously recording steam-to-fuel injection rate monitoring system accurate to within +/- 5%. [District NSR Rule], [Federally Enforceable Through Title V]
7. Except during periods of gas turbine engine startup/shutdown, gas turbine engine steam injection rate shall be maintained at steam-to-fuel ratio range documented to result in compliance with emission limits. [District NSR Rule], [Federally Enforceable Through Title V]
8. All exhaust from gas turbine engine and duct burners shall flow through both SCR and oxidation catalyst beds. [District NSR Rule], [Federally Enforceable Through Title V]
9. Gas temperatures at SCR and oxidation catalyst inlets shall be monitored by operational temperature indicators. [District NSR Rule], [Federally Enforceable Through Title V]
10. Except during periods of gas turbine engine startup/shutdown, inlet gas temperatures of SCR and oxidation catalyst beds shall be maintained within ranges recommended by the catalyst manufacturers. [District NSR Rule], [Federally Enforceable Through Title V]
11. Ammonia injection grid shall be equipped with operational ammonia flowmeter and injection pressure indicator. [District NSR Rule], [Federally Enforceable Through Title V]
12. Installed SCR and oxidation catalyst beds shall provide space for additional catalyst if source operation cannot achieve emission sampling limits of NO_x, VOC, and CO. [District NSR Rule], [Federally Enforceable Through Title V]
13. Except during periods of gas turbine engine startup/shutdown, gas turbine engine shall be shut down if steam injection or SCR system is inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
14. Ammonia injection rate shall be controlled to maintain ammonia "breakthrough" to less than 20 ppmv (3-hr rolling average) from gas turbine exhaust. [District Rule 4102]
15. No more than 6.00 MMscf/day of natural gas shall be consumed by gas turbine and no more than 2.47 MMscf/day of natural gas shall be consumed by duct burners. [District NSR Rule], [Federally Enforceable Through Title V]
16. Maximum emissions from turbines S-2234-52 & -53 and standby boilers/heaters S-2234-1, -3 & -19 shall not exceed the following daily emission limitations (DEL): PM₁₀: 50.6 lb/day, NO_x (as NO₂): 245.7 lb/day, VOC: 51.4 lb/day, and CO: 544.6 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
17. During days of gas turbine startup/shutdown, daily NO₂ and CO emissions shall be calculated by natural gas consumption rates, CEM results, and emission factors for standby boilers/heaters. [District NSR Rule], [Federally Enforceable Through Title V]

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18. During days of gas turbine startup/shutdown, permittee shall maintain accurate daily records of natural gas consumption in gas turbines for normal operation and startup/shutdown periods, and in standby 35R, LTS-1, & LTS-2 gas plant boilers/heaters. [District NSR Rule], [Federally Enforceable Through Title V]
19. Permittee shall maintain daily records of NO₂ and CO emission calculations during days of gas turbine startup/shutdown, and such records shall be made readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
20. Permittee shall maintain accurate records of CEM printouts, and daily natural gas consumptions in gas turbine & duct burners, and shall make such records readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
21. Permittee shall report the following emission exceedences to the District: emission rates of NO_x and CO on a 3-hr rolling average, NSPS NO_x emission rate on one hour average, and DEL of NO_x & CO during days of gas turbine engine startup/shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
22. Gas turbine lube oil system atmospheric vent shall be equipped with aerosol/smoke control provisions. [District NSR Rule], [Federally Enforceable Through Title V]
23. Emission rates from gas turbine lube oil vent shall not exceed the following: PM₁₀: 0.02 lb/hr and VOC: 0.00 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
24. PM₁₀ and VOC emissions from lube oil vent shall be measured by source testing within 60 days upon detection of visible emissions in excess of 5% opacity or Ringelmann 1/4 from gas turbine lube oil vent. [District NSR Rule], [Federally Enforceable Through Title V]
25. Except during periods of startup/shutdown, emission rates (3-hr rolling average) from gas turbine combustion shall not exceed: PM₁₀: 0.004 lb/MMBtu, NO_x as NO₂: 0.013 lb/MMBtu & 3.75 ppmvd @ 15% O₂, VOC: 0.004 lb/MMBtu, and CO: 0.043 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
26. Except during periods of startup/shutdown, emission rates (3-hr rolling average) from duct burner combustion shall not exceed: PM₁₀: 0.001 lb/MMBtu, NO_x as NO₂: 0.008 lb/MMBtu, VOC: 0.001 lb/MMBtu, and CO: 0.007 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
27. If NO_x CEM data & source testing results show compliance at lower NO_x emission than 3.75 ppmvd @ 15% O₂, District may adjust permitted NO_x emission rate 12 months after complete implementation of this approval according to CEM data & testing results. [District NSR Rule], [Federally Enforceable Through Title V]
28. NO_x, VOC, CO, and ammonia emissions shall be measured by source testing annually 60 days prior to permit anniversary. [District NSR Rule], [Federally Enforceable Through Title V]
29. Permittee shall maintain steam to fuel ratio during annual compliance testing to within +/- 5% of the average daily values recorded during the 60 day period prior to annual testing. [District NSR Rule], [Federally Enforceable Through Title V]
30. Permittee shall maintain exhaust gas temperatures at SCR and oxidation catalyst inlets to within +/- 5% of the average daily values recorded during the 60 day period prior to annual testing. [District NSR Rule], [Federally Enforceable Through Title V]
31. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
32. The results of each source test shall be submitted to the District within 60 days of field testing. [District Rule 1081], [Federally Enforceable Through Title V]
33. Standby boilers/heaters for 35R, LTS-1, and LTS-2 gas plants (S-2234-19, -3, & -1) shall only be used when one or both gas turbines (S-2234-52 & -53) are inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
34. Gas turbine engine shall be equipped with G.E. Steward Stevenson turbine combustor steam injection system, Mitsubishi/Applied Thermal Systems selective catalytic reduction (SCR) with ammonia injection, and Grace oxidation catalyst system. [District NSR Rule], [Federally Enforceable Through Title V]
35. Unit shall be fired exclusively on PUC-quality natural gas which has a sulfur content of less than or equal to 0.0026% by weight. [40 CFR 60.333(a) & (b); 60.332(a); Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
36. Operator shall not discharge into the atmosphere combustion contaminants (PM) exceeding in concentration at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
37. Operator shall not exceed a NO_x emission rate of: A. (If Rating<10 MW) 42 ppmvd @ 15% O₂, excluding the thermal stabilization periods or reduced load periods; B. (If Rating>10 MW)(9 X EFF/25)ppmvd @ 15% O₂, under load conditions, excluding thermal stabilization periods or reduced load periods, where EFF(efficiency) is the higher of EFF1 {100%x(3412 Btu/kW-hr)/(Actual Heat Rate at HHV, Btu/kW-hr)} or EFF2 {EFFmfr x (LHV/HHV)} where actual heat rate is a ratio of the heat input to power output taking into account the manufacturer's higher heating value of the fuel, LHV is the lower heating value of the fuel, and EFFmfr is the manufacturer's continuous rated percent efficiency of the gas turbine with air pollution equipment at LHV. An EFF that is less than 25 shall be assigned a value of 25. [40 CFR 60.332(a)(1) & 60.332(a)(2); District Rule 4703,5.1.1], [Federally Enforceable Through Title V]

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38. Operator shall be required to conform to the compliance testing procedures described in District Rule 1081. [Rule 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), Rule 110 (Madera), and Rule 108 (Kings); District Rule 1081], [Federally Enforceable Through Title V]
39. If the turbine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the turbine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2, 40 CFR 60.335(d)], [Federally Enforceable Through Title V]
40. If the turbine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [40 CFR 60.334(b)(2)], [Federally Enforceable Through Title V]
41. The HHV and LHV of the fuel shall be determined using ASTM D3588-91, ASTM 1826-88, OR ASTM 1945-81. [40 CFR 60.332(a),(b) and District Rule 4703, 6.4.5], [Federally Enforceable Through Title V]
42. Nitrogen oxides (NOx) concentrations shall be determined using EPA Method 7E or 20, and oxygen (O2) concentrations shall be determined using EPA Method 3, 3A, or 20. [40 CFR 60.335(b) and District Rule 4703, 6.4], [Federally Enforceable Through Title V]
43. The operator shall provide source test information annually regarding the exhaust gas NOx concentration corrected to 15% O2 (dry). [40 CFR 60.332(a),(b) and District Rule 4703, 5.1], [Federally Enforceable Through Title V]
44. The operator shall provide source test information annually regarding the demonstrated percent efficiency (EFF) as defined in District Rule 4703, 5.1.1. [40 CFR 60.332(a),(b) and District Rule 4703, 5.1.1], [Federally Enforceable Through Title V]
45. Any gas turbine with an intermittently operated auxiliary burner shall determine compliance with the auxiliary burner both on and off. [40 CFR 60.335(b) and District Rule 4703, 6.3.2], [Federally Enforceable Through Title V]
46. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.2], [Federally Enforceable Through Title V]
47. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown, performance testing, evaluations, calibrations, checks, adjustments, any periods during which a continuous monitoring system or monitoring device is inoperative, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.3; 40 CFR 60.7 (b)], [Federally Enforceable Through Title V]
48. If the turbine is fired on PUC-regulated natural gas, then maintain on file copies of natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
49. The operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
50. Results of continuous emission monitoring must be averaged in accordance with the requirements of 40 CFR 60.13. [40 CFR 60.334(a),(b),(c) and District Rule 4703, 5.0], [Federally Enforceable Through Title V]
51. Operator shall maintain a stationary gas turbine operating log that includes, on a daily basis the actual local start-up and stop time, length and reason for reduced load periods, total hours of operation and quantity of fuel used. [40 CFR 60.332(a),(b) and District Rule 4703, 6.2.4], [Federally Enforceable Through Title V]
52. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: 40 CFR 60.333 (a) and (b); 60.334(a),(b), and (c)(1); Rules 402 (Madera) and 404 (Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare, Merced); Rule 108.1 (Kings) and Rule 108 (in all seven remaining counties in the San Joaquin Valley); Rule 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern and Stanislaus), and 110 (Madera); SJVUAPCD Rule 4703, Section 6.2.2 and 1080, 7.3. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
53. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4201, 1081 and 1080, Sections 6.5, 7.2, 8.0, 9.0, and 10.0; Rule 404 (Madera), 406 (Fresno), 407 (Kings, San Joaquin, Merced, Stanislaus, Tulare, and Kern); 40 CFR 60.332(c) and (d); 60.334(b) and (c)(2); 60.335(d). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
54. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4703, sections 5.0, 5.1.1, 6.2.1, 6.2.4, 6.3, 6.4.1, 6.4.3, 6.4.5, and 6.4.6. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
55. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 404 (Merced); 40 CFR 60.332(a), (b); 60.335(a), (b), (c), and (e). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
56. Operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation, the exhaust gas NOx and O2 concentrations. [40 CFR 60.334(a),(b)], [Federally Enforceable Through Title V]

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57. The continuous NOx monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix F, 40 CFR 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 6.7], [Federally Enforceable Through Title V]
58. A violation of NOx emission standards indicated by the NOx CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 9.0], [Federally Enforceable Through Title V]
59. Operator shall submit a semiannual report listing any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8% by weight. [40 CFR 60.334(c)(2)], [Federally Enforceable Through Title V]
60. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEM. Operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 10.0], [Federally Enforceable Through Title V]
61. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; C. applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; D. a negative declaration when no excess emissions occurred. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 8.0], [Federally Enforceable Through Title V]
62. NOx and carbon monoxide daily emissions shall be measured by use of CEM data, fuel rate data, and daily hours of operation data. A written record of the required compliance demonstrations shall be maintained and made available for District inspection for a period of five years. [District NSR Rule], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-53-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

ONE 24.5 MW NATURAL GAS FIRED GAS TURBINE COGENERATION SYSTEM, INCLUDING 250 MMBTU/HR GENERAL ELECTRIC MODEL LM-2500 GAS TURBINE, 103 MMBTU/HR DUCT BURNER ASSEMBLY, AND 150,000 LB/HR HEAT RECOVERY STEAM GENERATOR

PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained and operated according to manufacturers' recommendations. [District NSR Rule], [Federally Enforceable Through Title V]
 2. Circular cross section exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and equipped with flow straighteners, if necessary, to minimize turbulence. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Gas turbine engine and duct burner assembly shall be equipped with continuously recording fuel gas flowmeters. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Gas turbine engine shall be equipped with continuously recording NO_x, CO, and O₂ monitors for engine exhaust gas stream after duct burners and catalyst beds. [District NSR Rule], [Federally Enforceable Through Title V]
 5. Startup and shutdown of gas turbine engine, as defined in 40 CFR Subpart A 60.2, shall not exceed a time period of one hour and one hour, respectively, per occurrence. [District NSR Rule], [Federally Enforceable Through Title V]
 6. Gas turbine engine combustor steam injection system shall be equipped with continuously recording steam-to-fuel injection rate monitoring system accurate to within +/- 5%. [District NSR Rule], [Federally Enforceable Through Title V]
 7. Except during periods of gas turbine engine startup/shutdown, gas turbine engine steam injection rate shall be maintained at steam-to-fuel ratio range documented to result in compliance with emission limits. [District NSR Rule], [Federally Enforceable Through Title V]
 8. All exhaust from gas turbine engine and duct burners shall flow through both SCR and oxidation catalyst beds. [District NSR Rule], [Federally Enforceable Through Title V]
 9. Gas temperatures at SCR and oxidation catalyst inlets shall be monitored by operational temperature indicators. [District NSR Rule], [Federally Enforceable Through Title V]
 10. Except during periods of gas turbine engine startup/shutdown, inlet gas temperatures of SCR and oxidation catalyst beds shall be maintained within ranges recommended by the catalyst manufacturers. [District NSR Rule], [Federally Enforceable Through Title V]
 11. Ammonia injection grid shall be equipped with operational ammonia flowmeter and injection pressure indicator. [District NSR Rule], [Federally Enforceable Through Title V]
 12. Installed SCR and oxidation catalyst beds shall provide space for additional catalyst if source operation cannot achieve emission sampling limits of NO_x, VOC, and CO. [District NSR Rule], [Federally Enforceable Through Title V]
 13. Except during periods of gas turbine engine startup/shutdown, gas turbine engine shall be shut down if steam injection or SCR system is inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
 14. Ammonia injection rate shall be controlled to maintain ammonia "breakthrough" to less than 20 ppmv (3-hr rolling average) from gas turbine exhaust. [District Rule 4102]
 15. No more than 6.00 MMscf/day of natural gas shall be consumed by gas turbine and no more than 2.47 MMscf/day of natural gas shall be consumed by duct burners. [District NSR Rule], [Federally Enforceable Through Title V]
 16. Maximum emissions from turbines S-2234-52 & -53 and standby boilers/heaters S-2234-1, -3 & -19 shall not exceed the following daily emission limitations (DEL): PM₁₀: 50.6 lb/day, NO_x (as NO₂): 245.7 lb/day, VOC: 51.4 lb/day, and CO: 544.6 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
 17. During days of gas turbine startup/shutdown, daily NO₂ and CO emissions shall be calculated by natural gas consumption rates, CEM results, and emission factors for standby boilers/heaters. [District NSR Rule], [Federally Enforceable Through Title V]

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18. During days of gas turbine startup/shutdown, permittee shall maintain accurate daily records of natural gas consumption in gas turbines for normal operation and startup/shutdown periods, and in standby 35R, LTS-1, & LTS-2 gas plant boilers/heaters. [District NSR Rule], [Federally Enforceable Through Title V]
19. Permittee shall maintain daily records of NO₂ and CO emission calculations during days of gas turbine startup/shutdown, and such records shall be made readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
20. Permittee shall maintain accurate records of CEM printouts, and daily natural gas consumptions in gas turbine & duct burners, and shall make such records readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
21. Permittee shall report the following emission exceedences to the District: emission rates of NO_x and CO on a 3-hr rolling average, NSPS NO_x emission rate on one hour average, and DEL of NO_x & CO during days of gas turbine engine startup/shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
22. Gas turbine lube oil system atmospheric vent shall be equipped with aerosol/smoke control provisions. [District NSR Rule], [Federally Enforceable Through Title V]
23. Emission rates from gas turbine lube oil vent shall not exceed the following: PM₁₀: 0.02 lb/hr and VOC: 0.00 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
24. PM₁₀ and VOC emissions from lube oil vent shall be measured by source testing within 60 days upon detection of visible emissions in excess of 5% opacity or Ringelmann 1/4 from gas turbine lube oil vent. [District NSR Rule], [Federally Enforceable Through Title V]
25. Except during periods of startup/shutdown, emission rates (3-hr rolling average) from gas turbine combustion shall not exceed: PM₁₀: 0.004 lb/MMBtu, NO_x as NO₂: 0.013 lb/MMBtu & 3.75 ppmvd @ 15% O₂, VOC: 0.004 lb/MMBtu, and CO: 0.043 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
26. Except during periods of startup/shutdown, emission rates (3-hr rolling average) from duct burner combustion shall not exceed: PM₁₀: 0.001 lb/MMBtu, NO_x as NO₂: 0.008 lb/MMBtu, VOC: 0.001 lb/MMBtu, and CO: 0.007 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
27. If NO_x CEM data & source testing results show compliance at lower NO_x emission than 3.75 ppmvd @ 15% O₂, District may adjust permitted NO_x emission rate 12 months after complete implementation of this approval according to CEM data & testing results. [District NSR Rule], [Federally Enforceable Through Title V]
28. NO_x, VOC, CO, and ammonia emissions shall be measured by source testing annually 60 days prior to permit anniversary. [District NSR Rule], [Federally Enforceable Through Title V]
29. Permittee shall maintain steam to fuel ratio during annual compliance testing to within +/- 5% of the average daily values recorded during the 60 day period prior to annual testing. [District NSR Rule], [Federally Enforceable Through Title V]
30. Permittee shall maintain exhaust gas temperatures at SCR and oxidation catalyst inlets to within +/- 5% of the average daily values recorded during the 60 day period prior to annual testing. [District NSR Rule], [Federally Enforceable Through Title V]
31. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
32. The results of each source test shall be submitted to the District within 60 days of field testing. [District Rule 1081], [Federally Enforceable Through Title V]
33. Standby boilers/heaters for 35R, LTS-1, and LTS-2 gas plants (S-2234-19, -3, & -1) shall only be used when one or both gas turbines (S-2234-52 & -53) are inoperative. [District NSR Rule], [Federally Enforceable Through Title V]
34. Gas turbine engine shall be equipped with G.E. Steward Stevenson turbine combustor steam injection system, Mitsubishi/Applied Thermal Systems selective catalytic reduction (SCR) with ammonia injection, and Grace oxidation catalyst system. [District NSR Rule], [Federally Enforceable Through Title V]
35. Unit shall be fired exclusively on PUC-quality natural gas which has a sulfur content of less than or equal to 0.0026% by weight. [40 CFR 60.333(a) & (b); 60.332(a); Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
36. Operator shall not discharge into the atmosphere combustion contaminants (PM) exceeding in concentration at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
37. Operator shall not exceed a NO_x emission rate of: A. (If Rating<10 MW) 42 ppmvd @ 15% O₂, excluding the thermal stabilization periods or reduced load periods; B. (If Rating>10 MW)(9 X EFF/25)ppmvd @ 15% O₂, under load conditions, excluding thermal stabilization periods or reduced load periods, where EFF (efficiency) is the higher of EFF₁ {100% x (3412 Btu/kW-hr)/(Actual Heat Rate at HHV, Btu/kW-hr)} or EFF₂ {EFF_{mfr} x (LHV/HHV)} where actual heat rate is a ratio of the heat input to power output taking into account the manufacturer's higher heating value of the fuel, LHV is the lower heating value of the fuel, and EFF_{mfr} is the manufacturer's continuous rated percent efficiency of the gas turbine with air pollution equipment at LHV. An EFF that is less than 25 shall be assigned a value of 25. [40 CFR 60.332(a)(1) & 60.332(a)(2) and District Rule 4703, 5.1.1], [Federally Enforceable Through Title V]

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38. Operator shall be required to conform to the compliance testing procedures described in District Rule 1081. [Rule 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), Rule 110 (Madera), and Rule 108 (Kings); District Rule 1081]
39. If the turbine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the turbine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2, 40 CFR 60.335(d)], [Federally Enforceable Through Title V]
40. If the turbine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [40 CFR 60.334(b)(2)], [Federally Enforceable Through Title V]
41. The HHV and LHV of the fuel shall be determined using ASTM D3588-91, ASTM 1826-88, or ASTM 1945-81. [40 CFR 60.332(a),(b) and District Rule 4703, 6.4.5]
42. Nitrogen oxides (NOx) concentrations shall be determined using EPA Method 7E or 20, and oxygen (O2) concentrations shall be determined using EPA Method 3, 3A, or 20. [40 CFR 60.335(b) and District Rule 4703, 6.4], [Federally Enforceable Through Title V]
43. The operator shall provide source test information annually regarding the exhaust gas NOx concentration corrected to 15% O2 (dry). [40 CFR 60.332(a),(b) and District Rule 4703, 5.1], [Federally Enforceable Through Title V]
44. The operator shall provide source test information annually regarding the demonstrated percent efficiency (EFF) as defined in District Rule 4703, 5.1.1. [40 CFR 60.332(a),(b) and District Rule 4703, 5.1.1], [Federally Enforceable Through Title V]
45. Any gas turbine with an intermittently operated auxiliary burner shall determine compliance with the auxiliary burner both on and off. [40 CFR 60.335(b) and District Rule 4703, 6.3.2], [Federally Enforceable Through Title V]
46. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.2], [Federally Enforceable Through Title V]
47. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown, performance testing, evaluations, calibrations, checks, adjustments, any periods during which a continuous monitoring system or monitoring device is inoperative, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.3; 40 CFR 60.7 (b)], [Federally Enforceable Through Title V]
48. If the turbine is fired on PUC-regulated natural gas, then maintain on file copies of natural gas bills. [District Rule 2520, 9.4.2]
49. The operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
50. Results of continuous emission monitoring must be averaged in accordance with the requirements of 40 CFR 60.13. [40 CFR 60.334(a),(b),(c) and District Rule 4703, 5.0], [Federally Enforceable Through Title V]
51. Operator shall maintain a stationary gas turbine operating log that includes, on a daily basis the actual local start-up and stop time, length and reason for reduced load periods, total hours of operation and quantity of fuel used. [40 CFR 60.332(a),(b) and District Rule 4703, 6.2.4], [Federally Enforceable Through Title V]
52. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: 40 CFR 60.333 (a) and (b); 60.334(a),(b), and (c)(1); Rules 402 (Madera) and 404 (Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare, Merced); Rule 108.1 (Kings) and Rule 108 (in all seven remaining counties in the San Joaquin Valley); Rule 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern and Stanislaus), and 110 (Madera); SJVUAPCD Rule 4703, Section 6.2.2 and 1080, 7.3. A permit shield is granted from these requirements. [District Rule 2520, 13.2]
53. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4201, 1081 and 1080, Sections 6.5, 7.2, 8.0, 9.0, and 10.0; Rule 404 (Madera), 406 (Fresno), 407 (Kings, San Joaquin, Merced, Stanislaus, Tulare, and Kern); 40 CFR 60.332(c) and (d); 60.334(b) and (c)(2); 60.335(d). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
54. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4703, sections 5.0, 5.1.1, 6.2.1, 6.2.4, 6.3, 6.4.1, 6.4.3, 6.4.5, and 6.4.6. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
55. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 404 (Merced); 40 CFR 60.332(a), (b); 60.335(a), (b), (c), and (e). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
56. Operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation, the exhaust gas NOx and O2 concentrations. [40 CFR 60.334(a),(b)]
57. The continuous NOx monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix F, 40 CFR 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 6.7]

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58. A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 9.0]
59. Operator shall submit a semiannual report listing any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8% by weight. [40 CFR 60.334(c)(2)]
60. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEM. Operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 10.0]
61. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; C. applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; D. a negative declaration when no excess emissions occurred. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 8.0]
62. NO_x and carbon monoxide daily emissions shall be measured by use of CEM data, fuel rate data, and daily hours of operation data. A written record of the required compliance demonstrations shall be maintained and made available for District inspection for a period of five years. [District NSR Rule], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-56-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP NATURAL GAS FIRED I.C. ENGINE (2-35R) (PTO DELETED FOR ERC CERTIFICATES S-0269-1 THROUGH 5, PROJECT 940343, BY RWK ON 9/21/94)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. Sulfur compound emissions shall not exceed 2000 ppmv as SO₂. [District Rule 4801]
5. Emission rate shall not exceed PM₁₀: 2.7 lb/day, SO_x: 0.1 lb/day (as SO₂), NO_x: 182.4 lb/day (as NO₂), VOC: 169.9 lb/day, CO: 928.8 lb/day.
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Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-57-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE #K-53 UNX# 13444 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
3. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
8. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
12. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-58-7

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-49 UNX# 51286 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-59-6

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL L7042-GSI NATURAL GAS FIRED I.C. ENGINE #K-29 UNX# 13207 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
3. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
8. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
12. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-60-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

650 BHP WAUKESHA MODEL L7042-GU NATURAL GAS FIRED I.C. ENGINE #K-54 UNX# 12877 WITH CATALYTIC CONVERTER

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emissions of Nitrogen Oxides (as NO₂) shall not exceed 2.20 lbm/hr and 90 ppmv calculated at 15% O₂. [District NSR Rule; District Rule 4701, 5.1], [Federally Enforceable Through Title V]
3. Emissions of Carbon Monoxide (CO) shall not exceed 2000 ppmv calculated at 15% O₂. [District Rule 4701]
4. NO_x and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring and support information, and shall make such records readily available for District inspection upon request. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
8. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. Source testing shall be performed for NO_x according to EPA Method 7E (or ARB Method 100). Source testing shall be performed for CO according to EPA Method 10 (or ARB Method 100). [District NSR Rule; District Rule 2520, 9.4.2; District Rule 4701, 6.4], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x. This mean shall be multiplied by the appropriate factor to determine compliance. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. The representative unit(s) source tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every 4 years. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
25. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-61-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL L7042GSI NATURAL GAS FIRED I.C. ENGINE #K-52 UNX# 15676 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-62-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2,000 BHP INGERSOL-RAND MODEL #412KVS I.C. ENGINE #K-44 UNX# 13701 INCLUDING PRE-COMBUSTION CHAMBER

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 0.49 lb/hr, SOx: 0.67 lb/hr (as SO₂), NOx: 8.82 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 13.23 lb/hr, CO: 22.05 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-63-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-48 UNX# 13435 EQUIPPED WITH PRE-STRATIFIED CHARGE COMBUSTION SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO2), NOx:4.41 lb/hr (as NO2) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO:8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-64-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

650 BHP WAUKESHA MODEL #L7042-GU NATURAL GAS FIRED I.C. ENGINE #K-26 UNX# 11554 WITH CATALYTIC CONVERTER

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: PM10: 0.16 lb/hr, SOx: 0.21 lb/hr (as SO₂), NOx: 2.20 lb/hr (as NO₂) and 1.5 g/bhp-hr, VOC: 6.31 lb/hr, CO: 5.73 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
3. NOx, VOC, and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring and support information, and shall make such records readily available for District inspection upon request. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
8. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. The representative unit(s) source tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every 4 years. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-65-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

650 BHP WAUKESHA MODEL #L7042-GU NATURAL GAS FIRED I.C. ENGINE #K-27 UNX #12705 EQUIPPED WITH CATALYTIC CONVERTER

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.16 lb/hr, SOx: 0.21 lb/hr (as SO₂), NOx: 2.20 lb/hr (as NO₂) and 1.5 g/bhp-hr, VOC: 6.31 lb/hr, CO: 5.73 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring and support information, and shall make such records readily available for District inspection upon request. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The representative unit(s) source tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every 4 years. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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17. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
19. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
20. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
21. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
22. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-66-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

650 BHP WAUKESHA MODEL #L7042-GU NATURAL GAS FIRED I.C. ENGINE #K-28 UNX# 12850 EQUIPPED WITH CATALYTIC CONVERTER

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.16 lb/hr, SOx: 0.21 lb/hr (as SO₂), NOx: 2.20 lb/hr (as NO₂) and 1.5 g/bhp-hr, VOC: 6.31 lb/hr, CO: 5.73 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring and support information, and shall make such records readily available for District inspection upon request. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The representative unit(s) source tested to demonstrate compliance shall be rotated, such that no one unit is tested less frequently than once every 4 years. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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17. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District NSR Rule; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
19. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
20. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
21. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
22. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-67-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-30 UNX# 13426 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-68-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-31 UNX# 11553 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-69-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-32 UNX# 18028 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-70-6

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-33 UNX# 16453 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-71-6

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-34 UNX# 13417 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-72-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-35 UNX# 54626 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-73-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-51 UNX# 13793 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-74-5

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042-GSIU NATURAL GAS FIRED I.C. ENGINE #K-50 UNX# 13401 EQUIPPED WITH PRE-STRATIFIED CHARGE SYSTEM AND T-30 TURBO SYSTEM

PERMIT UNIT REQUIREMENTS

1. Engine shall be equipped with enlarged turbocharger nozzle ring used only if necessary to maintain rated engine power output while meeting NOx limit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed the following: PM10: 0.24 lb/hr, SOx: 0.34 lb/hr (as SO₂), NOx: 4.41 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 9.70 lb/hr, CO: 8.82 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
9. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
13. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

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19. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
20. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-75-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2,000 BHP INGERSOL-RAND MODEL #412KVS I.C. ENGINE #K-45 UNX# 13706 INCLUDING PRE-COMBUSTION CHAMBER

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 0.49 lb/hr, SOx: 0.67 lb/hr (as SO₂), NOx: 8.82 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 13.23 lb/hr, CO: 22.05 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-76-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2,000 BHP INGERSOL-RAND MODEL #412KVS I.C. ENGINE #K-46 UNX# 13715 INCLUDING PRE-COMBUSTION CHAMBER

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 0.49 lb/hr, SOx: 0.67 lb/hr (as SO₂), NOx: 8.82 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 13.23 lb/hr, CO: 22.05 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-77-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2,000 BHP INGERSOL-RAND MODEL #412KVS I.C. ENGINE #K-47 UNX# 13716 INCLUDING PRE-COMBUSTION CHAMBER

PERMIT UNIT REQUIREMENTS

1. Emission rates shall not exceed the following: PM10: 0.49 lb/hr, SOx: 0.67 lb/hr (as SO₂), NOx: 8.82 lb/hr (as NO₂) and 2.0 g/bhp-hr, VOC: 13.23 lb/hr, CO: 22.05 lb/hr. [District NSR Rule and PSD SJ 77-42], [Federally Enforceable Through Title V]
2. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. Official test results and field data shall be submitted to the District within 30 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
8. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
9. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. If compliance with the emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrated compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2; and PSD SJ 77-42], [Federally Enforceable Through Title V]
16. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), EPA Method 10 (or ARB Method 100) for CO, and EPA Method 18 or 25 for VOC. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

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18. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-78-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE #K-58 UNX# 18033

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Oxides of nitrogen (NOx) emissions shall not exceed 4.41 lbm/hr (as NO₂) and 2.0 g/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
3. NOx emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
5. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
7. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If compliance with the NOx emission limit is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limit, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx. This mean shall be multiplied by the appropriate factor to determine compliance. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-79-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE #K-57 UNX# 18017 EQUIPPED WITH PRE-STRATIFIED COMBUSTION SYSTEM

PERMIT UNIT REQUIREMENTS

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1. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
 2. Oxides of nitrogen (NOx) emissions shall not exceed 4.41 lbm/hr (as NO₂) and 2.0 g/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
 3. NOx emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 4. Official test results and field data shall be submitted to the District within 60 days after collection. [District Rule 1081], [Federally Enforceable Through Title V]
 5. Permittee shall maintain accurate records of natural gas consumption, as well as all records of required monitoring data and support information, and make such records readily available for District inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 6. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 7. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 8. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
 9. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 10. If compliance with the NOx emission limit is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limit, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
 11. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx. This mean shall be multiplied by the appropriate factor to determine compliance. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 12. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 13. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 14. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
 16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
 17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
 18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-80-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL L7042GL NATURAL GAS FIRED I.C. ENGINE #K-59 UNX# 53881

PERMIT UNIT REQUIREMENTS

1. There shall be no visible emissions in excess of 5% opacity. [District NSR Rule]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. This permit unit shall be used only for gas lift operations. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emissions shall not exceed PM10: 0.09 lbm/hr, SOx: 0.01 lbm/hr (as SO₂), NOx: 6.62 lbm/hr (as NO₂), VOC: 7.95 lbm/hr, CO: 9.92 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
5. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
7. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
8. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
12. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
19. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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20. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. The operator of an internal combustion (IC) engine shall maintain all record of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-81-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,000 BHP WAUKESHA MODEL #L7042GL NATURAL GAS FIRED I.C. ENGINE #K-60

PERMIT UNIT REQUIREMENTS

1. There shall be no visible emissions in excess of 5% opacity. [District NSR Rule]
2. Engine shall be designed for fuel lean-burn. [District NSR Rule], [Federally Enforceable Through Title V]
3. This permit unit shall be used only for gas lift operations. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emissions shall not exceed PM10: 0.09 lbm/hr, SOx: 0.01 lbm/hr (as SO₂), NOx: 6.62 lbm/hr (as NO₂), VOC: 7.95 lbm/hr, CO: 9.92 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
5. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
7. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
8. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
12. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
19. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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20. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. The operator of an internal combustion (IC) engine shall maintain all record of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
24. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-82-7

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,500 BHP NATURAL GAS FIRED WAUKESHA I.C. ENGINE K-70 UNX# 54508

PERMIT UNIT REQUIREMENTS

1. Unit shall be fired on PUC natural quality natural gas with a total sulfur content not to exceed 1.0 grain/100 scf. [District NSR Rule and Kern County Rule 407]
2. Emission rate shall not exceed PM10: 0.05 lbm/hr, SOx: 0.02 lbm/hr (as SO₂), NOx: 6.60 lbm/hr (as NO₂), VOC: 6.00 lbm/hr, CO: 8.00 lbm/hr. [District NSR Rule]
3. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
7. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
9. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
14. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. The operator of an internal combustion (IC) engine shall maintain all record of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

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18. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
19. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-83-6

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1,500 BHP NATURAL GAS FIRED WAUKESHA I.C. ENGINE K-71 UNX# 54497

PERMIT UNIT REQUIREMENTS

1. Unit shall be fired on PUC natural quality natural gas with a total sulfur content not to exceed 1.0 grain/100 scf. [District NSR Rule and Kern County Rule 407]
2. Emission rate shall not exceed PM10: 0.05 lbm/hr, SOx: 0.02 lbm/hr (as SO₂), NOx: 6.60 lbm/hr (as NO₂), VOC: 6.00 lbm/hr, CO: 8.00 lbm/hr. [District NSR Rule]
3. NOx, VOC, and CO emissions shall be measured by annual source testing conducted by independent testing laboratory and shall be witnessed by the District. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
5. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
6. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source testing, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
7. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100), EPA Method 18 or 25 for VOC, and EPA Method 10 (or ARB Method 100) for CO. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. If compliance with the NOx, VOC, and CO emission limits is demonstrated for 2 consecutive years, testing frequency may be reduced to every 36 months. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than every 12 months. [District NSR Rule; District 2520 Rule 9.4.2], [Federally Enforceable Through Title V]
9. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx, VOC, and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Permittee shall record the results of facility conducted noncertified self test measurements of exhaust NOx concentration as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Permittee shall monitor the nitrogen oxides (NOx) concentration in the engine exhaust with a facility conducted noncertified self test at least on a quarterly basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The facility conducted noncertified self test shall be performed for NOx according to ARB Method 100 (or EPA Method 7E). [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
14. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. The operator of an internal combustion (IC) engine shall maintain all record of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

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18. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
19. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-84-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

490 BHP CATERPILLAR NATURAL GAS FIRED I.C. ENGINE #K-67 UNX# 54302 WITH CATALYTIC CONVERTER

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emissions shall not exceed 90 ppmv NOx (as NO2) and 2000 ppmv CO @ 15% O2. [District Rule 4701]
3. NOx and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District Rule 4701, 6.3.2]
4. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
5. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
6. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
7. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). Source testing shall be performed for CO according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in the group are similar, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of engines tested shall be at least 10% of the total number of engines in the group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 4701, 6.3.2]
13. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
16. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
17. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
18. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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20. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-85-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

490 BHP CATERPILLAR NATURAL GAS FIRED I.C. ENGINE #K-66 UNX# 54299 WITH CATALYTIC CONVERTER

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emissions shall not exceed 90 ppmv NOx (as NO2) and 2000 ppmv CO @ 15% O2. [District Rule 4701]
3. NOx and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District Rule 4701, 6.3.2]
4. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
5. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
6. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
7. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). Source testing shall be performed for CO according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in the group are similar, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of engines tested shall be at least 10% of the total number of engines in the group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 4701, 6.3.2]
13. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-86-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

490 BHP CATERPILLAR NATURAL GAS FIRED I.C. ENGINE #K-69 UNX# 54318 WITH CATALYTIC CONVERTER

PERMIT UNIT REQUIREMENTS

1. Engine shall be designed for fuel rich-burn. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emissions shall not exceed 90 ppmv NOx (as NO2) and 2000 ppmv CO @ 15% O2. [District Rule 4701]
3. NOx and CO emissions shall be measured by annual source testing of representative unit(s) and shall be witnessed by the District. [District Rule 4701, 6.3.2]
4. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
5. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
6. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
7. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx according to EPA Method 7E (or ARB Method 100). Source testing shall be performed for CO according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units are initially source tested and emissions from each unit in the group are similar, 2) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of engines tested shall be at least 10% of the total number of engines in the group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative unit(s) are annually source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, type and quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 4701, 6.3.2]
13. Should any of the representative unit(s) exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
16. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
17. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
18. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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20. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-87-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

88 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX #15556

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-88-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

88 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX# 15570

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-89-3

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

88 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX# 15569

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-90-2

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

88 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX# 15549 * CANCELLED BY APPLICANT LETTER 7/29/97,
KCM**

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Approved locations for this equipment: any site within the Naval Petroleum Reserve No. 1 Gas Plant Stationary Source. []
3. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. []

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-91-1

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

70 BHP INTERNAL HARVESTER NATURAL GAS FIRED I.C. ENGINE UNX# 12643 **CANCELLED BY APPLICANT
LETTER 7/29/97, KCM**

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Approved locations for this equipment: any site within the Naval Petroleum Reserve No. 1 Gas Plant Stationary Source. []
3. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. []

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-92-4

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

88 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE UNX# 13999

PERMIT UNIT REQUIREMENTS

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1. Approved locations for this equipment: any site within facility S-2234. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The operator shall notify the District in writing at least two weeks prior to starting operations at a new location. [District NSR Rule], [Federally Enforceable Through Title V]
 3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
 5. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
 6. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
 7. If the engine is not fired on PUC-regulated natural gas, then the sulfur content (as hydrogen sulfide) of the natural gas being fired in the IC engine shall be calculated using a continuous monitor averaged over a daily basis in accordance with SCAQMD Rule 431.1 Attachment A (as amended June 12, 1998). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 8. If the engine is not fired on PUC-regulated natural gas, the sulfur content (as hydrogen sulfide) of each fuel source shall be tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]
 10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
 11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-93-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

PRODUCED GAS COMPRESSION SYSTEM INCLUDING NATURAL GAS COMPRESSOR, INLET GAS SCRUBBER, FUEL GAS SCRUBBER, CONDENSATE BLOWCASE, AND 500 BBL CONDENSATE COLLECTION TANK

PERMIT UNIT REQUIREMENTS

-
1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-94-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

PRODUCED GAS COMPRESSION SYSTEM INCLUDING NATURAL GAS COMPRESSOR, INLET GAS SCRUBBER, FUEL GAS SCRUBBER, CONDENSATE BLOWCASE, AND 500 BBL CONDENSATE COLLECTION TANK

PERMIT UNIT REQUIREMENTS

-
1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-95-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

PRODUCED GAS COMPRESSION SYSTEM INCLUDING TWO NATURAL GAS COMPRESSORS, LOW PRESSURE GAS SCRUBBER V-503, TWO SUCTION SCRUBBERS, TWO INTERCOOLERS, TWO INTERSTAGE KNOCKOUT VESSELS, AND TWO AFTERCOOLERS

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Operation shall include compressor discharge knockout vessel and piping to Stevens high pressure header. []
3. Liquids from knockout vessels shall be directed to permit units S-382-403, -404, -405, -406, and -407. []

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-97-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

1250 BHP GENERAL ELECTRIC ELECTRICALLY DRIVEN NATURAL GAS COMPRESSOR (K-81) AUTHORIZED TO OPERATE WITHIN THE GAS PLANT STATIONARY SOURCE S-2234

PERMIT UNIT REQUIREMENTS

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1. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements and Subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
 2. This compressor is permitted to operate at various unspecified locations within the Elk Hills Gas Plant Stationary Source. [District NSR Rule]
 3. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
 4. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
 5. Prior to implementation of this Authority to Construct permittee shall update their Rule 4403 Operator Management Plan and submit the updated plan for District approval. [District Rule 4403]
 6. Maximum VOC fugitive emissions shall not exceed 1.9 lb/day. [District Rule 2201]
 7. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 4322 Table E-3 and U.S. EPA publication 450/3-83-007, Table 4-1. [District Rule 2201]
 8. VOC content of gas processed shall not exceed 28% by weight. Permittee shall maintain a written record of VOC content (sampled not less than annually) and shall make such records available for District inspection upon request for a period of two years. [District Rule 1070]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-98-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2250 BHP GENERAL ELECTRIC ELECTRICALLY DRIVEN NATURAL GAS COMPRESSOR (K-82) AUTHORIZED TO OPERATE WITHIN THE GAS PLANT STATIONARY SOURCE S-2234

PERMIT UNIT REQUIREMENTS

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1. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements and Subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
 2. This compressor is permitted to operate at various unspecified locations within the Elk Hills Gas Plant Stationary Source. [District NSR Rule]
 3. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
 4. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
 5. Prior to implementation of this Authority to Construct permittee shall update their Rule 4403 Operator Management Plan and submit the updated plan for District approval. [District Rule 4403]
 6. Maximum VOC fugitive emissions shall not exceed 1.9 lb/day. [District Rule 2201]
 7. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 4322 Table E-3 and U.S. EPA publication 450/3-83-007, Table 4-1. [District Rule 2201]
 8. VOC content of gas processed shall not exceed 28% by weight. Permittee shall maintain a written record of VOC content (sampled not less than annually) and shall make such records available for District inspection upon request for a period of two years. [District Rule 1070]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-99-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

2250 BHP GENERAL ELECTRIC ELECTRICALLY DRIVEN NATURAL GAS COMPRESSOR (K-83) AUTHORIZED TO OPERATE WITHIN THE GAS PLANT STATIONARY SOURCE S-2234

PERMIT UNIT REQUIREMENTS

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1. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements and Subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
 2. This compressor is permitted to operate at various unspecified locations within the Elk Hills Gas Plant Stationary Source. [District NSR Rule]
 3. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
 4. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
 5. Prior to implementation of this Authority to Construct permittee shall update their Rule 4403 Operator Management Plan and submit the updated plan for District approval. [District Rule 4403]
 6. Maximum VOC fugitive emissions shall not exceed 1.9 lb/day. [District Rule 2201]
 7. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 4322 Table E-3 and U.S. EPA publication 450/3-83-007, Table 4-1. [District Rule 2201]
 8. VOC content of gas processed shall not exceed 28% by weight. Permittee shall maintain a written record of VOC content (sampled not less than annually) and shall make such records available for District inspection upon request for a period of two years. [District Rule 1070]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-100-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

300 BHP SIEMENS ELECTRICALLY DRIVEN NATURAL GAS COMPRESSOR (K-84) AUTHORIZED TO OPERATE WITHIN THE GAS PLANT STATIONARY SOURCE S-2234

PERMIT UNIT REQUIREMENTS

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1. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements and Subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
 2. This compressor is permitted to operate at various unspecified locations within the Elk Hills Gas Plant Stationary Source. [District NSR Rule]
 3. Permittee shall contact the District Compliance Division to arrange an inspection at the first location of the operation. [District Rule 1070]
 4. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
 5. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
 6. Prior to implementation of this Authority to Construct permittee shall update their Rule 4403 Operator Management Plan and submit the updated plan for District approval. [District Rule 4403]
 7. Maximum VOC fugitive emissions shall not exceed 1.0 lb/day. [District Rule 2201]
 8. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 4322 Table E-3 and U.S. EPA publication 450/3-83-007, Table 4-1. [District Rule 2201]
 9. VOC content of gas processed shall not exceed 28% by weight. Permittee shall maintain a written record of VOC content (sampled not less than annually) and shall make such records available for District inspection upon request for a period of two years. [District Rule 1070]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-101-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

300 BHP SIEMENS ELECTRICALLY DRIVEN NATURAL GAS COMPRESSOR (K-85) AUTHORIZED TO OPERATE WITHIN THE GAS PLANT STATIONARY SOURCE S-2234

PERMIT UNIT REQUIREMENTS

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1. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements and Subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
 2. This compressor is permitted to operate at various unspecified locations within the Elk Hills Gas Plant Stationary Source. [District NSR Rule]
 3. Permittee shall contact the District Compliance Division to arrange an inspection at the first location of the operation. [District Rule 1070]
 4. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
 5. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
 6. Prior to implementation of this Authority to Construct permittee shall update their Rule 4403 Operator Management Plan and submit the updated plan for District approval. [District Rule 4403]
 7. Maximum VOC fugitive emissions shall not exceed 1.0 lb/day. [District Rule 2201]
 8. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 4322 Table E-3 and U.S. EPA publication 450/3-83-007, Table 4-1. [District Rule 2201]
 9. VOC content of gas processed shall not exceed 28% by weight. Permittee shall maintain a written record of VOC content (sampled not less than annually) and shall make such records available for District inspection upon request for a period of two years. [District Rule 1070]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-102-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

300 BHP SIEMENS ELECTRICALLY DRIVEN NATURAL GAS COMPRESSOR (K-86) AUTHORIZED TO OPERATE WITHIN THE GAS PLANT STATIONARY SOURCE S-2234

PERMIT UNIT REQUIREMENTS

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1. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements and Subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
 2. This compressor is permitted to operate at various unspecified locations within the Elk Hills Gas Plant Stationary Source. [District NSR Rule]
 3. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
 4. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
 5. Prior to implementation of this Authority to Construct permittee shall update their Rule 4403 Operator Management Plan and submit the updated plan for District approval. [District Rule 4403]
 6. Maximum VOC fugitive emissions shall not exceed 1.0 lb/day. [District Rule 2201]
 7. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 4322 Table E-3 and U.S. EPA publication 450/3-83-007, Table 4-1. [District Rule 2201]
 8. VOC content of gas processed shall not exceed 28% by weight. Permittee shall maintain a written record of VOC content (sampled not less than annually) and shall make such records available for District inspection upon request for a period of two years. [District Rule 1070]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2234-103-0

EXPIRATION DATE: 10/31/2004

EQUIPMENT DESCRIPTION:

300 BHP SIEMENS ELECTRICALLY DRIVEN NATURAL GAS COMPRESSOR (K-87) AUTHORIZED TO OPERATE WITHIN THE GAS PLANT STATIONARY SOURCE S-2234

PERMIT UNIT REQUIREMENTS

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1. Rule 4001 New Source Performance Standards shall be fully satisfied including but not limited to Subpart KKK section 60.632 performance standards, 60.636 recordkeeping requirements, section 60.636 reporting requirements and Subpart A section 60.7 notification and recordkeeping. [District Rule 4001]
 2. This compressor is permitted to operate at various unspecified locations within the Elk Hills Gas Plant Stationary Source. [District NSR Rule]
 3. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
 4. Permittee shall inspect and maintain fugitive components pursuant to Rule 4403. [District Rule 4403]
 5. Prior to implementation of this Authority to Construct permittee shall update their Rule 4403 Operator Management Plan and submit the updated plan for District approval. [District Rule 4403]
 6. Maximum VOC fugitive emissions shall not exceed 1.0 lb/day. [District Rule 2201]
 7. Permittee shall maintain with the permit accurate fugitive component counts and resulting emissions calculated using API Publication 4322 Table E-3 and U.S. EPA publication 450/3-83-007, Table 4-1. [District Rule 2201]
 8. VOC content of gas processed shall not exceed 28% by weight. Permittee shall maintain a written record of VOC content (sampled not less than annually) and shall make such records available for District inspection upon request for a period of two years. [District Rule 1070]

Initial TV Permit